

**ABSTRACT****APPARATUS FOR INTERCONNECTING ELECTRONIC COMPONENTS**

5 A connection assembly comprising a receptacle portion and a probe portion. The  
receptacle portion is suitable for attaching to an adapter card. The receptacle may include a  
cylindrical housing with a longitudinal axis oriented perpendicular to the plane of the card. The  
receptacle includes a set of contact structures that extend within the interior of the receptacle  
10 housing. The set of contact structures are embedded within an electrically insulating contact  
block and preferably define one or more lines of contact structures extending perpendicularly to  
the plane of the adapter card. Each contact structure is electrically connected to a corresponding  
cable or wire. The probe portion may include a probe cover and a probe body configured to be  
received within the probe cover. The probe cover preferably comprises first and second  
15 elements that are separated by a gap that extends parallel to the longitudinal axis of the  
receptacle. The probe body includes a row of contact elements where each contact element is  
connected to a corresponding wire or cable. The probe body is preferably rotatable 90° with  
respect to the probe cover when the probe assembly is inserted in the receptacle. The probe body  
may be rotatable from a first position, in which the contact elements are covered by the probe  
20 cover, to a second position, in which the contact elements are aligned with the probe cover gap(s)  
and further aligned with corresponding contact structures on the interior surface of the  
receptacle.